

Human Carboxypeptidase N catalytic chain (CPN1) ELISA Kit | CPN1 elisa kit

Human Carboxypeptidase N catalytic chain (CPN1) ELISA Kit

CATALOG #
AAA244597

REACTIVITY
Human

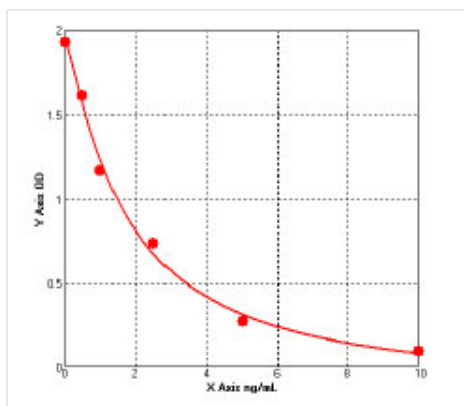
PRODUCT SYNONYMS

Carboxypeptidase N catalytic chain (CPN1); Human Carboxypeptidase N catalytic chain (CPN1) ELISA Kit; CPN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CPN1. No significant cross-reactivity or interference between CPN1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CPN1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CPN1 elisa kit	Principle of the Assay: CPN1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CPN1 antibody and an CPN1-HRP conjugate. The assay sample and buffer are incubated together with CPN1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CPN1 concentration since CPN1 from samples and CPN1-HRP conjugate compete for the anti-CPN1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CPN1 from the sample, fewer sites are left to bind CPN1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CPN1 concentration in each sample is interpolated from this standard curve. Intended Uses: This CPN1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CPN1. This ELISA kit for research use only, not for therapeutic or test applications!
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503011
NCBI GeneID	1369
NCBI Accession #	NP_001299.1
NCBI GenBank Nucleotide #	NM_001308.2
Molecular Weight	52,286 Da
NCBI Official Full Name	carboxypeptidase N catalytic chain
NCBI Official Synonym Full Names	carboxypeptidase N, polypeptide 1
NCBI Official Symbol	CPN1
NCBI Official Synonym Symbols	CPN; SCPN
NCBI Protein Information	carboxypeptidase N catalytic chain; kininase I; kininase-1; carboxypeptidase K; lysine carboxypeptidase; serum carboxypeptidase N; anaphylatoxin inactivator; arginine carboxypeptidase; plasma carboxypeptidase B; carboxypeptidase N small subunit; carboxypeptidase N catalytic subunit; carboxypeptidase N polypeptide 1 50 kD
UniProt Protein Name	Carboxypeptidase N catalytic chain
UniProt Gene Name	CPN1
UniProt Synonym Gene Names	ACBP; CPN; SCPN
UniProt Entry Name	CBPN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/carboxypeptidase-n-catalytic-chain-cpn1/244597>